

№	Subject code	Subject name	Credits	Total hours	Extra-curricular hour	Curricular hours	Including			Prerequisite (necessary preliminary education) subject codes	Co-requisite (parallel education) subject codes	Term of subject tuition (autumn or summer)	Academic load per week
							Lectures	Seminars	Laboratory works				
	MHF-B00	Humanitarian subjects section	6	180	135	45	45						3
1	MHF-B01	Pedagogy and psychology of higher school	4	120	90	30	30					Y-1	2
2	MHF-B02	Academic writing	2	60	45	15	15					Y-1	1
	MIF-B00	Speciality subjects section	36	1080	855	225	150	75					14
1	MIF-B01	Modern problems of speciality science	6	180	150	30	30					P-1	2
2	MIF-B02	Research methods	6	180	150	30	30					P-1	2
3	MIF-B03	Numerical solution methods of differential equations	6	180	135	45	30	15				P-1	2
4	MIF-B04	Construction Project Management	6	180	150	30	30					Y-1	2
5	MIF-B05	Information technologies in construction	6	180	135	45		45				Y-1	3
6	MIF-B06	Experimental methods of building structures	6	180	135	45	30	15				P-1	3
Optional subjects:													
Specialization: Industrial and civil construction													
	MIF-B07	Optional subjects for specialization	30	900	705	195	120	75					13
1	MIF-B07A	Quality and safety in construction and design	6	180	135	45	30	15				P-1	3
2	MIF-B07B	1)Engineered reinforced concrete structures 2)Space structures	12	360	270	90	60	30				Y-1 P-2	3 3
3	MIF-B07C	1) Special Metal Constructions 2) Calculation of metal structures of multi-storey buildings	6	180	150	30	30					P-2	2
4	MIF-B07D	1) Approximate methods of calculation of building structures 2) Contemporary numerical methods of calculation of building structures	6	180	150	30		30				Y-1	2

Specialization: City municipal construction and economy													
	MiF-B07	Optional subjects for specialization	30	900	705	195	120	75					13
1	MiF-B07A	Management of public infrastructure projects	6	180	135	45	30	15				P-1	3
2	MiF-B07B	1) Reconstruction of residential areas 2) Technical operation of engineering systems of settlements	12	360	270	90	60	30				Y-1 P-2	3 3
3	MiF-B07C	1) Alternative Energy Sources of Urban Infrastructure 2) Engineering training and improvement of special conditions	6	180	150	30	30					P-2	2
4	MiF-B07D	1) Underground networks of urban areas 2) Ecological design of energy-saving systems in urban economy	6	180	150	30		30				Y-1	2
Specialization: Management and expertise of real estate													
	MiF-B07	Optional subjects for specialization	30	900	705	195	120	75					13
1	MiF-B07A	Management of public infrastructure projects	6	180	135	45	30	15				P-1	3
2	MiF-B07B	1) Urban Planning 2) Reconstruction of urban buildings	12	360	270	90	60	30				Y-1 P-2	3 3
3	MiF-B07C	1) Examination of buildings and structures 2) Real Estate Examination and Testing	6	180	150	30	30					P-2	2
4	MiF-B07D	1) Technical exploitation of buildings and 2) Reconstruction of buildings and structures	6	180	150	30	30					Y-1	2

Specialization: Organization and Technology of Construction of Buildings and Structures													
	MİF-B07	Optional subjects for specialization	30	900	705	195	120	75					13
1	MİF-B07A	The technology of building engineer buildings and installations	6	180	135	45	30	15				P-1	3
2	MİF-B07B	1) Organization, planning and management of construction 2) Management of investment projects in construction	12	360	270	90	60	30				Y-1 P-2	3 3
3	MİF-B07C	1) Technology of construction processes of monolithic reinforced concrete 2) The technology of construction of buildings and facilities	6	180	150	30	30					P-2	2
4	MİF-B07D	1) Technology of construction processes of monolithic reinforced concrete 2) Construction of buildings and facilities engineering technology	6	180	150	30	30					Y-1	2
Specialization: Theory of structures													
	MİF-B07	Optional subjects for specialization	30	900	705	195	120	75					13
1	MİF-B07A	Quality and safety in construction and design	6	180	135	45	30	15				P-1	3
2	MİF-B07B	1) Construction konsrtuksiyalarının dynamics and sustainability 2) Methods for reinforcing construction structures	12	360	270	90	60	30				Y-1 P-2	3 3
3	MİF-B07C	1) Spatial structures 2) The basics of the theory of plasticity and reptile	6	180	150	30	30					P-2	2
4	MİF-B07D	1) Modern numerical methods for calculation of building structures 2) Fundamentals of calculation of constructions using nonlinear models	6	180	150	30		30				Y-1	2

Specialization: Metal structures													
	MİF-B07	Optional subjects for specialization	30	900	705	195	120	75					13
1	MİF-B07A	Quality and safety in construction and in design	6	180	135	45	30	15				P-1	3
2	MİF-B07B	1) Metal sheet designs 2) Large-diameter metal pipes, bunkers and silos	12	360	270	90	60	30				Y-1 P-2	3 3
3	MİF-B07C	1) Metal hanging structures 2) Prestressed Structures and Prefabrications	6	180	150	30	30					P-2	2
4	MİF-B07D	1) Calculation of metal frames of high-rise buildings 2) Oil and gas installations metal structures	6	180	150	30		30				Y-1	2
Specialization: Ferroconcrete structures													
	MİF-B07	Optional subjects for specialization	30	900	705	195	120	75					13
1	MİF-B07A	Quality and safety in construction and in design	6	180	135	45	30	15				P-1	3
2	MİF-B07B	1) Special reinforced concrete structures 2) Calculation of reinforced concrete structures on nonlinear models	12	360	270	90	60	30				Y-1 P-2	3 3
3	MİF-B07C	1) High-rise reinforced concrete frame buildings 2) Reinforcement of reinforced concrete structures	6	180	150	30	30					P-2	2
4	MİF-B07D	1) Reconstruction and strengthening of reinforced concrete structures 2) Numerical methods for calculating reinforced concrete structures	6	180	150	30		30				Y-1	2

Specialization: Dynamics and earthquake resistance of buildings and structure													
	MIF-B07	Optional subjects for specialization	30	900	705	195	120	75					13
1	MIF-B07A	Quality and safety in construction and design	6	180	135	45	30	15				P-1	3
2	MIF-B07B	1) Fundamentals of device dynamics and earthquake resistance theory 2) Methods and means of engineering experiment	12	360	270	90	60	30				Y-1 P-2	3 3
3	MIF-B07C	1) Testing of devices and earthquake resistance of monolithic buildings 2) Methods of inspection of facilities engineer	6	180	150	30	30					P-2	2
4	MIF-B07D	1) Engineer analysis of earthquake consequences 2) Diagnostics and reconstruction of buildings and structures	6	180	150	30	30					Y-1	2
Specialization: Construction and of foundations and bases													
	MIF-B07	Optional subjects for specialization	30	900	705	195	120	75					13
1	MIF-B07A	Calculation and design of bases	6	180	135	45	30	15				P-1	3
2	MIF-B07B	1) Theory of Soil Mechanics 2) Soil Science and Special Engineer Geology	12	360	270	90	60	30				Y-1 P-2	3 3
3	MIF-B07C	1) Calculation of base structures on elastic base 2) Calculation of base structures on unstable ground structures	6	180	150	30	30					P-2	2
4	MIF-B07D	1) Numerical methods of bases/foundation calculation 2) Engineer methods for calculating the base	6	180	150	30		30				Y-1	2
Quantity of academic hours and credits			72	2160	1695	465	315	150					30

	ETi- B00	SCIENTIFIC AND RESEARCH WORKS	48	1440									
1	ETi- B01	Scientific and pedagogical practice	6	180									
2	ETi- B01	Scientific and research practice	6	180									
3	ETi- B02	Conducting research works	6	180									
4	ETi- B03	Preparation and defense of Master's dissertations	30	900									
Total quantity of hours and credits for master's specialization preparation program			120	3600									

INFORMATION ON TUITION

Academic year			Credits		Theoretical tuition (week)		Researches, communication and innovation Conducting research works		Examination session (week)		Number of examinations		Practice (week)		Dissertation work (week)		Holiday	
I	P – 1		60	30	30	15			10	5	11	5					12	2
	Y – 1			30		15		5		6			10					
II	P – 2		60	30	6	6	4	4			2	2	8	8	20		2	2
	Y – 2			30										20				
Total:			120		36		4		10		13		8		20		14	

Vice-rector for educational affairs
of Azerbaijan Architecture and
Construction University

_____ dos.A.F.Gasimov

Director of Master Center
_____ R.Y.Samadov

Approved at the meeting of
Scientific Council of Azerbaijan
Architecture and Construction University
dated “___” _____ 20___
(protocol № ___)